

Title (en)

Polymeric fluorescent substance and polymer light-emitting device

Title (de)

Polymere fluoreszierende Substanz und lichtemittierende Vorrichtung auf Polymerbasis

Title (fr)

Substance fluorescente polymère et dispositif émetteur de lumière à base de polymères

Publication

**EP 1116768 A2 20010718 (EN)**

Application

**EP 01100073 A 20010110**

Priority

- JP 2000003567 A 20000112
- JP 2000143050 A 20000516
- JP 2000258642 A 20000829

Abstract (en)

Provided is a polymeric fluorescent substance showing fluorescence in solid state, which has a specific carrier drift mobility, a specific repeating unit, and specific number-average molecular weight. The polymeric fluorescent substance is excellent in solubility to organic solvents, and has higher efficiency and longer lifetime in applying as a polymer LED.

IPC 1-7

**C09K 11/06**; H05B 33/14

IPC 8 full level

**C08G 61/00** (2006.01); **C08G 61/02** (2006.01); **C08G 73/06** (2006.01); **C08G 73/18** (2006.01); **C08G 73/22** (2006.01); **C09K 11/06** (2006.01); **H01L 51/30** (2006.01); **H05B 33/14** (2006.01); **H01L 51/50** (2006.01)

CPC (source: EP KR US)

**C08G 61/02** (2013.01 - EP US); **C08G 73/06** (2013.01 - EP US); **C08G 73/0638** (2013.01 - EP US); **C08G 73/0672** (2013.01 - EP US); **C08G 73/18** (2013.01 - EP US); **C08G 73/22** (2013.01 - EP US); **C09K 11/06** (2013.01 - EP KR US); **H10K 85/111** (2023.02 - EP US); **H10K 85/113** (2023.02 - EP US); **H10K 85/114** (2023.02 - EP US); **C09K 2323/02** (2020.08 - EP US); **C09K 2323/03** (2020.08 - EP US); **C09K 2323/035** (2020.08 - EP US); **H10K 50/11** (2023.02 - EP US); **Y10T 428/31692** (2015.04 - EP US); **Y10T 428/31696** (2015.04 - EP US)

Citation (applicant)

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EP1182245A1; US6994921B2; WO2004005379A1

Designated contracting state (EPC)

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